



Why learn with TDSI

- TDSI is an academic institute under NUS, one of the world's top-ranked universities centred in Asia
- Learn knowledge customised with military applications and defence relevance
- Learn with course instructors who are subject matter experts in their respective domains
- Learn with fellow peers in boutique class size focused teaching

LEARNING OPPORTUNITIES WITH TDSI FOR DEFENCE COMMUNITY

ON SYSTEMS ENGINEERING, SYSTEMS THINKING, DIGITALISATION AND EMERGING TECHNOLOGIES

Suite of Offerings from Temasek Defence Systems Institute (TDSI)



MASTER OF DEFENCE TECHNOLOGY AND SYSTEMS (MDTS)



STACKABLE PROGRAMMES (GRADUATE AND EXECUTIVE CERTIFICATES)



SHORT COURSES AND TECHNOLOGY SEMINAR SERIES



ANNUAL LEARNING SYMPOSIUM

Visit TDSI website at tdsi.nus.edu.sg for more information.
 Email tdsiwebsite@nus.edu.sg for enquiries.

REGISTER YOUR INTEREST WITH TDSI TODAY!

MDTS Programme and Stackable Programmes:
 Ms WONG Hsiao-Szu (tdswhs@nus.edu.sg) and Ms Stephanie QUEK (squek@nus.edu.sg)

Short Courses: Ms Teresa CHENG (tchengyl@nus.edu.sg)

LEARNING WITH TDSI

Embracing systems digitalisation and emerging technologies is critical for all organisations. TDSI partners with local and overseas educational institutions and relevant academic collaborators in curating and updating its courses and programmes to align with these imperatives. Upskill yourself with TDSI's postgraduate programme and continuing education courses in systems engineering, systems thinking, and digital/technological domains to enhance your knowledge and skillsets and increase your adaptability to various technologies that are transforming industries and sectors.

(Please visit TDSI website at tdsi.nus.edu.sg for the latest updates.)



1 MASTER OF DEFENCE TECHNOLOGY AND SYSTEMS (MDTS)

- Flagship dual-master's of science programme.
- A full-time programme with 5 core courses required and 3 electives (selection from 6 electives) at NUS. Each course is estimated for 40hrs spanning 11-12 weeks.
- Postgraduate education avenue to attain dual-master's degree from the prestigious National University of Singapore (NUS) and from one of TDSI's overseas partner universities, namely Naval Postgraduate School, Cranfield University, and Air Force Institute of Technology.

2 STACKABLE PROGRAMMES (stackable towards MDTS Programme)

- Continuing education with paced learning and eligible to stack towards attaining a master's degree in TDSI's MDTS Programme. Each course is estimated for 40hrs spanning 11-12 weeks:
 - Graduate Certificate in Digital Technologies (comprising 2 prescribed courses + 1 elective)
 - Graduate Certificate in Systems Engineering (comprising 2 prescribed courses + 1 elective)
 - Executive Certificate in 7 courses (choose 1 from 7 different standalone courses)

3 SHORT COURSES (Executive and Customised Courses)

- Short courses in domain-specific topics provide opportunities in upskilling/reskilling in different areas of interest, which are typically from 1 to 3 days.
- Executive courses in trending topics with group-based learning with peers from various defence organisations or customised courses in pre-determined focus areas learning with own organisation peers.

Examples of some Executive Courses:

- Generative Artificial Intelligence / Robotics
- Cyber-Physical Systems, Data Analytics and Digital Twin
- Autonomy/Artificial Intelligence and Systems Engineering

(note: information and topics can be subject to change due to ongoing course planning)

4 TECHNOLOGY SEMINAR SERIES

- Seminars on emerging technologies and latest developments in the technological landscape.
- Invite speakers who are subject matter experts to share knowledge and insights on technological domains.

5 ANNUAL LEARNING SYMPOSIUM

- Hosts distinguished speakers who are thought leaders in their respective technology domains to share insights and perspectives on trending technology topics.
- Enables defence community to enrich their exposure in different technological domains.
- TDSI shares the latest updates on its academic offerings at the symposium.

2023: Systems Engineering Perspectives in the Modern World

2024: Emerging Technologies - Value of Systems Approach